

GOODWINCH TDS SERIES WINCH SPECIFICATIONS

	TDS 9.5 (c & i)	TDS 9.5c (Large Drum)	TDS 12.0c	TDS 16.5c	TDS 20c
Rated line pull (single line)	9,500 lbs (4,309 kg)	9,500 lbs (4,309 kg)	12,000 lbs (5,442 kg)	16,500 lbs (7,500 kg)	20,000 lbs (9,072 kg)
Motor 12 or 24 volt	5.0 HP (12 volt) 3.0 HP (24 volt)	5.0 HP (12 volt) 3.0 HP (24 volt)	5.0 HP (12 volt) 3.0 HP (24 volt)	6.0 HP (12 volt) 3.6 HP (24 volt)	6.2 HP (24 volt)
Gearing	Heavy duty 3 stage planetary	Heavy duty 3 stage planetary	Heavy duty 3 stage planetary	Heavy duty 3 stage planetary	Heavy duty 3 stage planetary
Gear ratio	173:1	173:1	254:1	315:1	315:1
Freespooling clutch	Rotating Ring Gear	Rotating Ring Gear	Rotating Ring Gear	Rotating Ring Gear	Rotating Ring Gear
Braking	Automatic Double Taper	Automatic Double Taper	Automatic Double Taper	Automatic Double Taper	Automatic Double Taper
Wire rope,	8.7mm x 30m (100') (Optional Extra)	Not recommended	9.5mm x 27.4m (90') (Optional Extra)	11mm x 27.4m (90')	12mm x 25.3m (83')
Dyneema® Bowrope synthetic winch rope (optional extra)	10mm x 30.5m (100')	11mm x 38m (125')	11mm x 27.5m (90')	12mm x 27.4m (90')	
Dimensions	9.5i 612mm x 165mm x 250mm high 9.5c 612mm x 165mm x 266mm high (Including Solenoids)	9.5c 612mm x 185mm x 286mm high (Including Solenoids)	12.0i 612mm x 165mm x 250mm high 12.0c 612mm x 165mm x 266mm high (Including Solenoids)	695mm x 215mm x 280mm high (26.25" x 8.5" x 11" high) (Including Solenoids)	670mm x 215mm x 294mm high (26.4" x 8.5" x 11" high) (including solenoids)
Drum diameter	63.5mm (2.5")	63.5mm (2.5")	63.5mm (2.5")	89mm (3.5")	89mm (3.5")
Drum length	229mm (9")	215mm (8.5") x 214mm (8.4") wide	229mm (9")	206mm (8.1")	206mm (8.1")
Weight with wire rope and roller fairleads	n/a	n/a	n/a	65 kg	68 kg
Weight with Dyneema® Bowrope and aluminium hawse	38 kg	41 kg	38 kg	51kg	51 kg
Switching method	5m (17') Rubber handheld remote	5m (17') Rubber handheld remote	5m (17') Rubber handheld remote	5m (17') Rubber handheld remote	5m (17') Rubber handheld remote
Switching mechanism	Heavy duty sealed solenoids	Heavy duty sealed solenoids	Heavy duty sealed solenoids	Heavy duty sealed solenoids	Heavy duty sealed solenoids
Roller fairleads	Optional Extra	Optional Extra	Optional Extra	Standard	Standard
Swingaway pulley block	Standard	Standard	Standard	—	—
Colour coded 1.5m wiring harness	Standard	Standard	Standard	Standard	Standard
Alloy safety hooks fitted to all ropes	Optional	Optional	Optional	Standard	Standard
PERFORMANCE					
No load speed	56 feet/min (17m/min)	56 feet/min (17m/min)	29 feet/min (9m/min)	18 feet/min (5.5m/min)	16 feet/min (5m/min)
For 12 volt and 24 volt	40 amps 23 amps	67 feet/min (20m/min) with Bow '2' 40 amps 23 amps	50 amps 28 amps	65 amps 49 amps	30 amps (24 volt only)

Please note that there are too many variables when attempting to quote speed and amps drawn at different line pulls, but roughly speaking, all 5 models at their rated line speed draw about 350 amps @ 12 volt (210 amps : 24 volt) achieving a speed of about 7 feet/min. Needless to say one should always use a pulley block at anything like these loads which either halve the current draw or halve the load on the winch which allows the motor armature to turn more freely. So now you know!

OPTIONAL ACCESSORIES

Fitting kits available as accessories

We have BRB bumpers / fitting kits to suit Land Rover, Discovery 200, 300 & series 2,3 & 4 plus Classic Range Rover and P38

Lodar wireless radio remote system	Optional accessory	Optional accessory	Optional accessory	Optional accessory	Optional accessory
Dyneema® Bowrope	Optional accessory	Optional accessory	Optional accessory	Optional accessory	Optional accessory